

IN THE CLAIMS

Please amend the claims as follows.

For the Examiner's convenience, a list of all claims are included below.

1-5. (Canceled)

6. (Currently amended) A testing system comprising:

a network analyzer having a radio frequency out port and a radio frequency in port;

a first coaxial cable having a first end electrically coupled to the second end of the first coaxial cable and a second end;

a radio frequency test probe having a first end electrically coupled to the second end of the first coaxial cable and a second end;

an adapter having a first end in contact with the second end of the radio frequency test probe and a second end, the adapter including a ground sleeve having a first ground sleeve end adapted to contact a ground lead of a coaxial cable, a second ground sleeve end adapted to contact a ground probe of the test probe, a signal pin positioned inside of and spaced apart from the ground sleeve, the signal pin having a first signal pin end adapted to contact a signal lead of a coaxial cable and a second signal pin end adapted to contact a signal probe of the test probe; and

a second coaxial cable having a first end connected to the second end of the adapter and a second end in communication with the radio frequency out port;

wherein the first coaxial cable, the radio frequency test probe, the adapter, and the second coaxial cable all have the same impedance.

7. (Canceled)

8. (Currently amended) The testing system of claim ~~7~~ 6 wherein:

the ground sleeve is characterized by a first outer radius at said first ground sleeve end and a second outer radius at said second ground sleeve end;

the first outer radius is different than the second outer radius;

the signal pin is characterized by a first inner radius at said first signal pin end and a second inner radius at said second signal pin end;

the first inner radius is different than the second inner radius; and

a ratio of the first inner radius to the first outer radius is the same as the ratio of the second inner radius to the second outer radius.

9. (Original) The testing system of claim 8 wherein the signal pin and the ground sleeve are both tapered to maintain said ratio constant throughout the adapter.

10. (Original) The testing system of claim 9 wherein the signal probe is characterized by a signal probe radius equal to the second inner radius of the signal pin and the ground probe is characterized by a ground probe radius equal to the second outer radius of the ground sleeve.

11. (Original) The testing system of Claim 7 further comprising and adapter fixturing plate, the adapter being secured to the adapter fixturing plate and the adapter fixturing plate have registration surfaces to position the adapter with respect to the radio frequency probe.

12 – 17 (Canceled)